

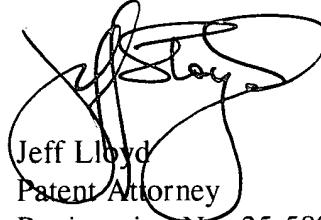
Remarks

This amendment is made to conform the application with the provisions of 37 CFR §1.821 through 1.825 and to insert the correct ancestral parentage into the application. I hereby certify that no new material is being added by this submission.

The Commissioner is hereby authorized to charge to Deposit Account 19-0065 any fees under 37 CFR 1.16 or 1.17 as required by this paper.

Applicants invite the Examiner to call the undersigned if clarification is needed on this amendment.

Respectfully submitted,



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JL/gm
Encls.

Marked Up Replacement Paragraph(s) for Specification (page 1)

This is a continuation-in-part of our copending application Serial No. 808,129, filed on December 12, 1985. This is a continuation of application Serial No. 09/405,788, filed on September 27, 1999; which was a continuation of application Serial No. 08/580,781, filed on December 29, 1995, now abandoned; which was a continuation of application Serial No. 08/420,615, filed on April 10, 1995, now abandoned; which was a continuation of application Serial No. 08/097,808, filed on July 27, 1993, now abandoned; which was a divisional of copending application Serial No. 07/980,128, filed on November 23, 1992, now abandoned; which was a continuation of application Serial No. 07/803,920, filed on December 6, 1991, now abandoned; which was a continuation of application Serial No. 07/356,599, filed on May 24, 1989, now abandoned; which was a continuation of application Serial No. 06/904,572, filed on September 5, 1986, now abandoned; which was a continuation-in-part of application Serial No. 06/808,129, filed on December 12, 1985, now abandoned.

Marked Up Replacement Paragraph(s) for Specification (page 3, line 20)

FIGURE 5 is a table showing the nucleotide sequence of plasmid pEW3 encoding chimeric toxin.

FIGURE 6 is a table showing the deduced amino acid sequence of chimeric toxin produced by plasmid pEW3.

FIGURE 7 is a table showing the nucleotide sequence of plasmid pEW4 encoding chimeric toxin.

FIGURE 8 is a table showing deduced amino acid sequence of chimeric toxin produced by plasmid pEW4.

FIGURE 9 is a table showing nucleotide sequence of plasmid pACB-1 encoding chimeric toxin ACB-1.

FIGURE 10 is a table showing deduced amino acid sequence of chimeric toxin ACB-1.

FIGURE 11 is a table showing nucleotide sequence of plasmid pSYW1 encoding chimeric toxin SYW1.

FIGURE 12 is a table showing deduced amino acid sequence of chimeric toxin SYW1.

Marked Up Replacement Paragraph(s) for Specification (page 3, line 21)**Brief Description of the Sequences**

SEQ ID NO. 1 is the nucleotide sequence of plasmid pEW3 encoding the chimeric toxin.

SEQ ID NO. 2 is the deduced amino acid sequence of the chimeric toxin encoded by the nucleotide sequence of **SEQ ID NO: 1**.

SEQ ID NO. 3 is the nucleotide sequence of plasmid pEW4 encoding the chimeric toxin.

SEQ ID NO. 4 is the deduced amino acid sequence of the chimeric toxin encoded by the nucleotide sequence of **SEQ ID NO: 3**.

SEQ ID NO. 5 is the nucleotide sequence of plasmid pACB-1 encoding the chimeric toxin ACB-1.

SEQ ID NO. 6 is the deduced amino acid sequence of the chimeric toxin encoded by the nucleotide sequence of **SEQ ID NO: 5**.

SEQ ID NO. 7 is the nucleotide sequence of plasmid pSYW1 encoding chimeric toxin SYW1.

SEQ ID NO. 8 is the deduced amino acid sequence of the chimeric toxin encoded by the nucleotide sequence of **SEQ ID NO: 7**.

SEQ ID NO. 9 is the 151 bp synthetic DNA used to replace the 151 bp AccI/Sac I fragment from pEW3, which caused a conversion of the Asp to Asn at position 411, and Gln to Glu at position 425 of pEW3.

Marked Up Replacement line for Specification (page 22, line 25)

Plasmid pEW3, NRRL B-18034, was modified by altering the coding sequence for the toxin. The 151 bp DNA fragment bounded by the *AccI* restriction site at nucleotide residue 1199 in the coding sequence, and the *SacI* restriction site at residue 1350 were removed by digestion with the indicated restriction endonucleases using standard procedures. The removed 151 bp DNA fragment was replaced with the following synthetic DNA oligomer by standard procedures:

A TAC AGA AAA AGC GGA ACG GTA GAT TCG CTG AAT GAA
ATA CCG CCA CAG AAT AAC AAC GTG CCC CCG AGG CAA
GAA TTT AGT CAT CGA TTA AGC CAT GTT TCA ATG TTT
AGA TCT GGC TTT AGT AAT AGT AGT GTA AGT ATA ATA
AGA GCT (SEQ ID NO: 9).